

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141011.D
 Acq On : 27 Dec 2024 21:43
 Operator : RC/JU
 Sample : P5343-03RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ281RE

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 22:22:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	256785	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1001759	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	485744	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	652948	20.000	ng	0.00
76) Chrysene-d12	13.974	240	524529	20.000	ng	-0.01
86) Perylene-d12	15.427	264	408875	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1413039	82.948	ng	0.00
7) Phenol-d6	6.440	99	1782931	81.245	ng	-0.01
23) Nitrobenzene-d5	7.381	82	1099045	70.191	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	372600	78.941	ng	-0.01
45) 2-Fluorobiphenyl	9.181	172	1887336	61.905	ng	0.00
79) Terphenyl-d14	12.927	244	1505580	47.676	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.363	178	398693	11.602	ng	99
75) Fluoranthene	12.551	202	616474	16.540	ng	98
78) Pyrene	12.780	202	563820	12.291	ng	99
81) Benzo(a)anthracene	13.969	228	238530	6.525	ng	98
83) Chrysene	14.004	228	278427	8.449	ng	98
87) Indeno(1,2,3-cd)pyrene	16.868	276	94447m	3.666	ng	
88) Benzo(b)fluoranthene	15.010	252	247903m	8.693	ng	
89) Benzo(k)fluoranthene	15.021	252	116232m	5.200	ng	
90) Benzo(a)pyrene	15.368	252	167995	7.590	ng	99
92) Benzo(g,h,i)perylene	17.298	276	91069	4.205	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

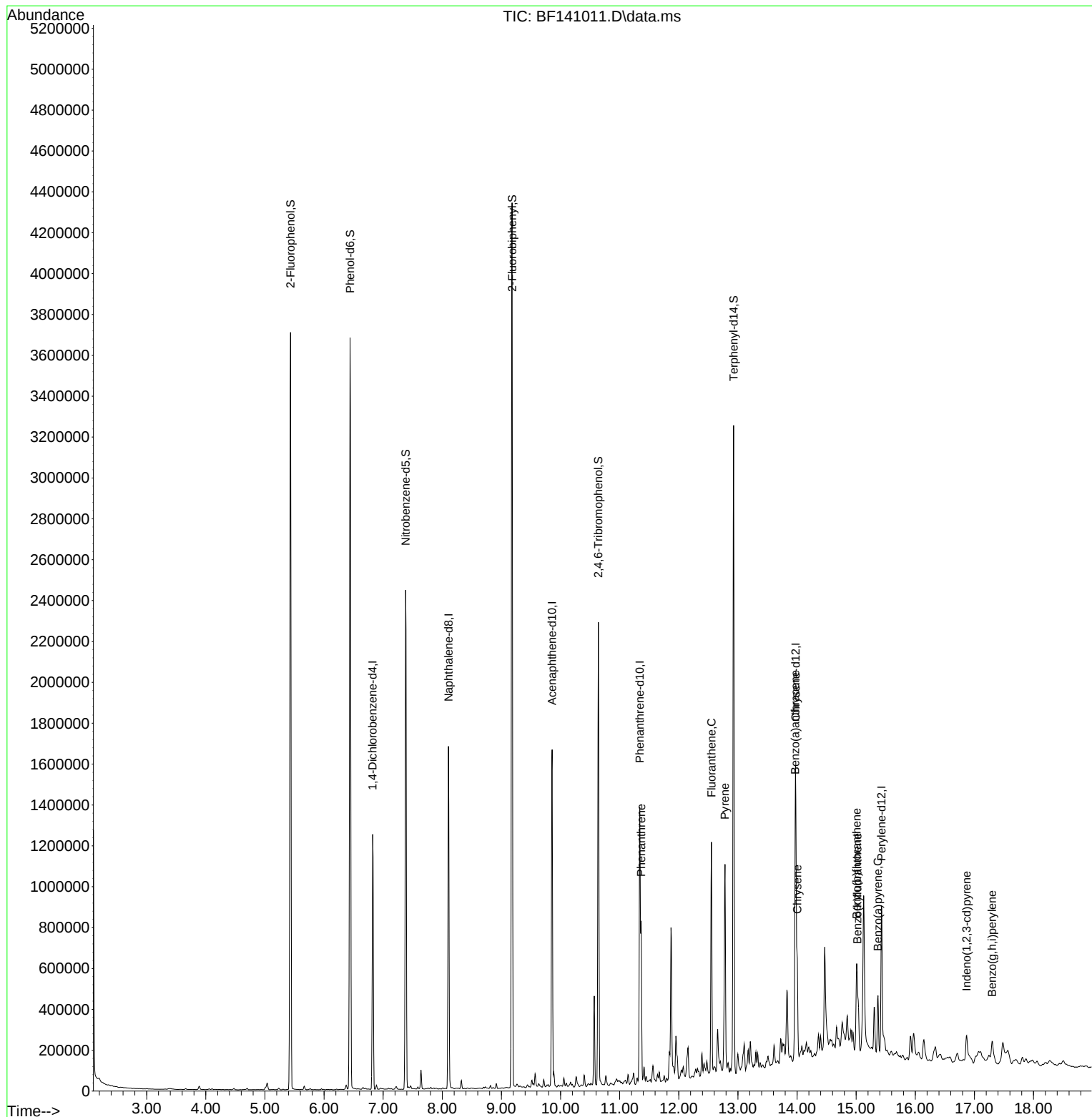
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141011.D
Acq On : 27 Dec 2024 21:43
Operator : RC/JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

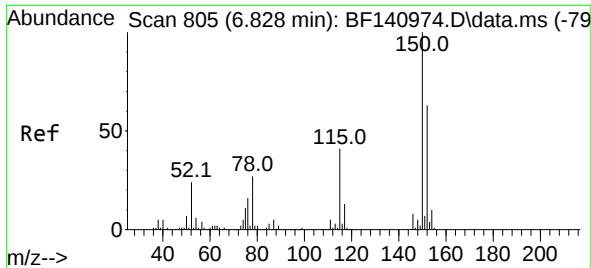
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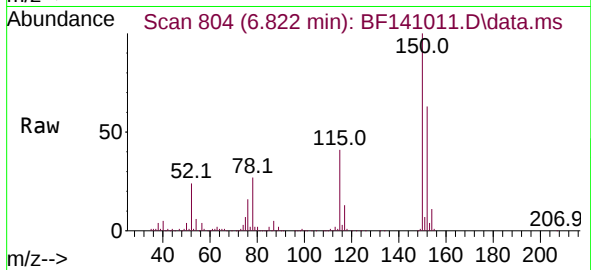
Quant Time: Dec 27 22:22:32 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

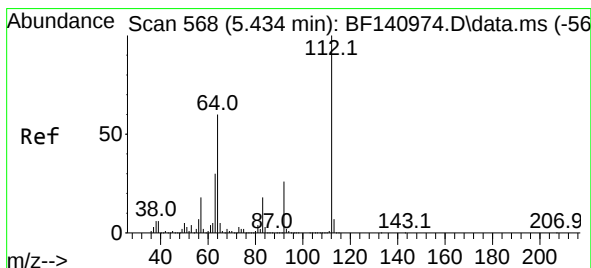
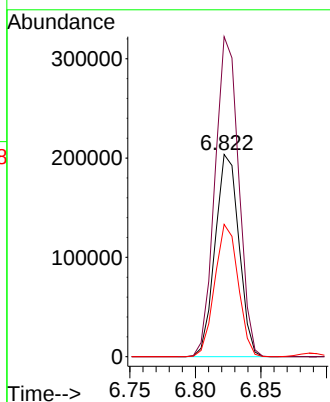
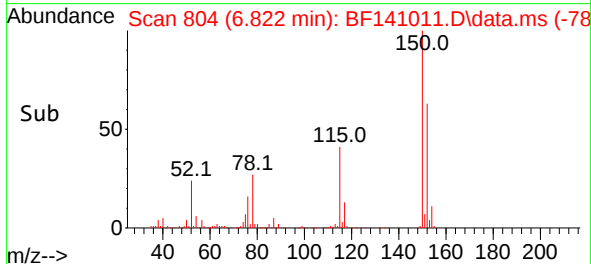
Instrument :
BNA_F
ClientSampleId :
VNJ281RE



Tgt Ion:152 Resp: 256785
Ion Ratio Lower Upper
152 100
150 158.3 127.0 190.6
115 65.4 51.7 77.5

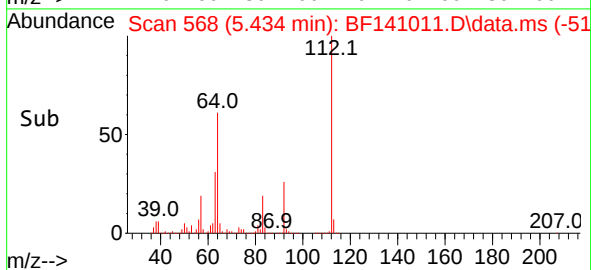
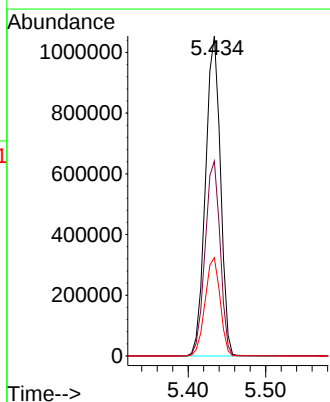
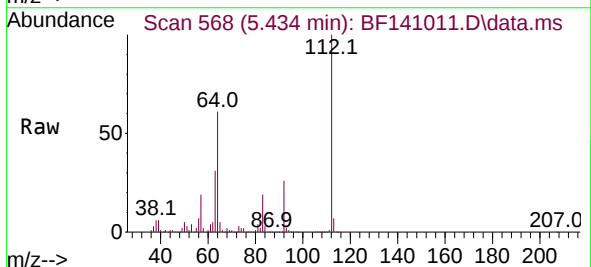
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Supervised By :mohammad ahmed 12/30/2024



#5
2-Fluorophenol
Concen: 82.948 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

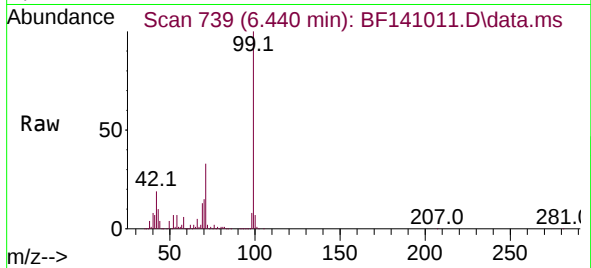
Tgt Ion:112 Resp: 1413039
Ion Ratio Lower Upper
112 100
64 60.9 47.7 71.5
63 30.7 24.2 36.2





#7
Phenol-d6
Concen: 81.245 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

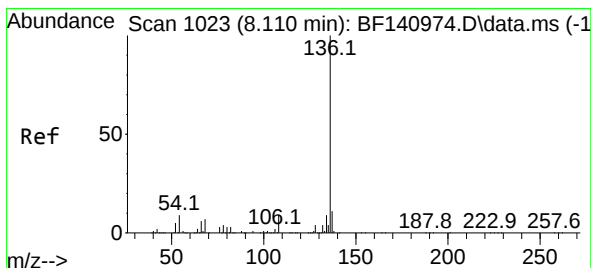
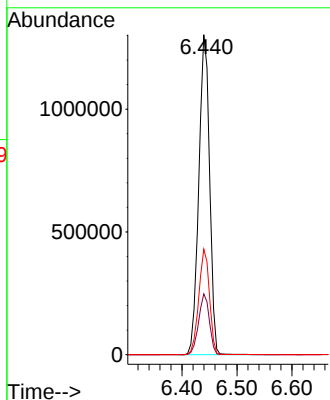
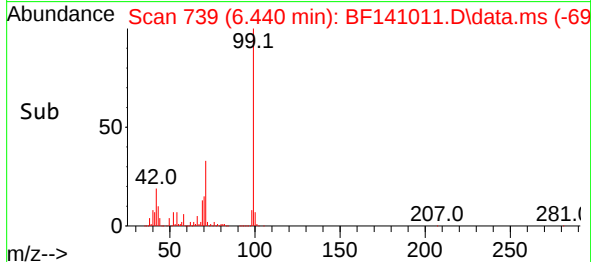
Instrument :
BNA_F
ClientSampleId :
VNJ281RE



Tgt Ion: 99 Resp: 178293
Ion Ratio Lower Upper
99 100
42 19.0 15.0 22.4
71 32.9 26.2 39.2

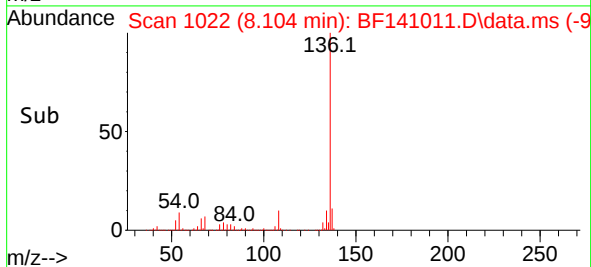
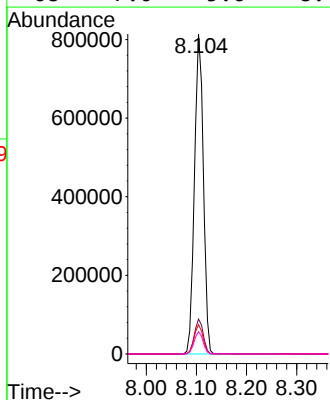
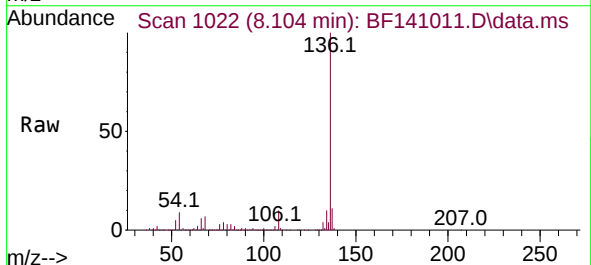
Manual Integrations
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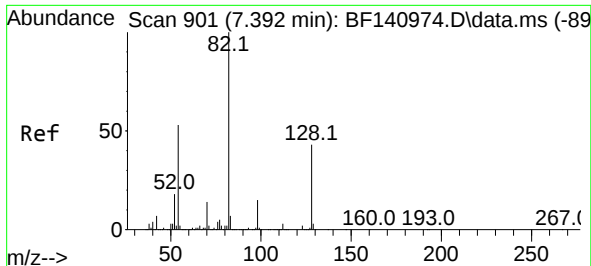
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

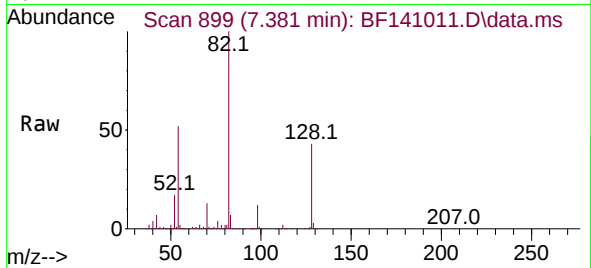
Tgt Ion:136 Resp: 1001759
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.1 7.6 11.4
68 7.0 5.6 8.4





#23
Nitrobenzene-d5
Concen: 70.191 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

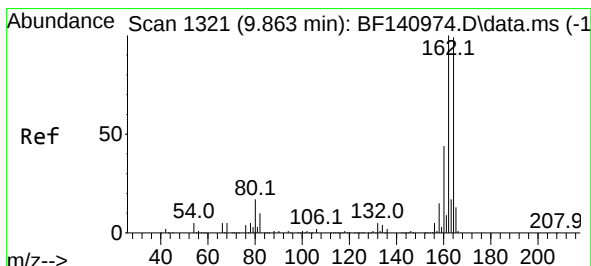
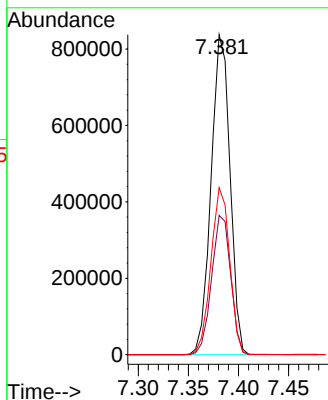
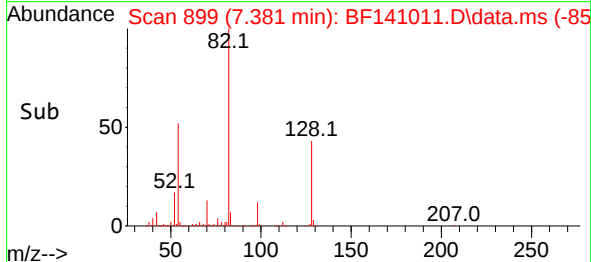
Instrument :
BNA_F
ClientSampleId :
VNJ281RE



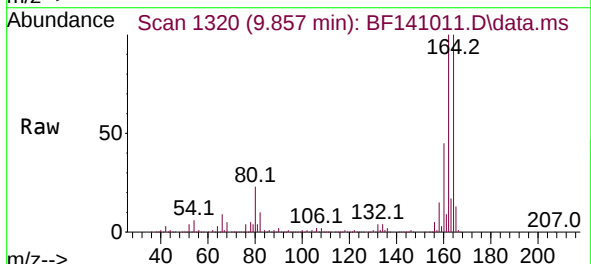
Tgt Ion: 82 Resp: 109904
Ion Ratio Lower Upper
82 100
128 43.5 34.4 51.6
54 52.2 42.4 63.6

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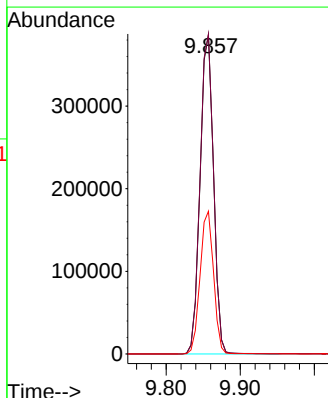
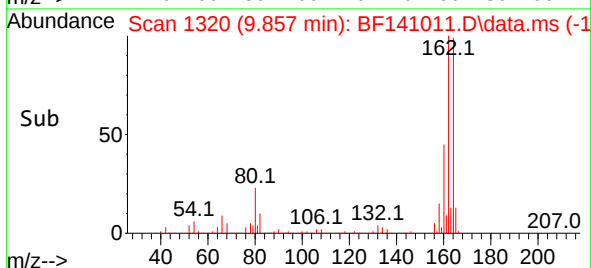
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

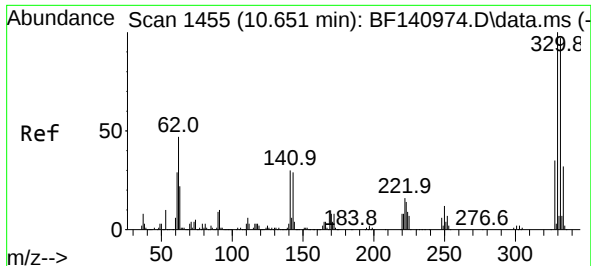


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43



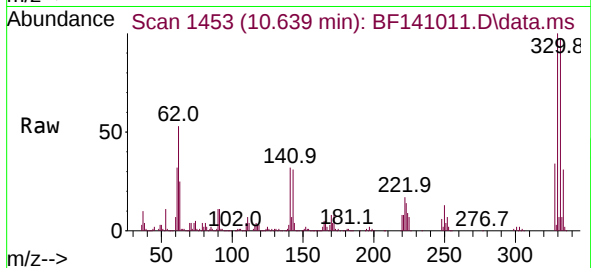
Tgt Ion:164 Resp: 485744
Ion Ratio Lower Upper
164 100
162 100.3 80.6 120.8
160 44.7 35.7 53.5





#42
2,4,6-Tribromophenol
Concen: 78.941 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

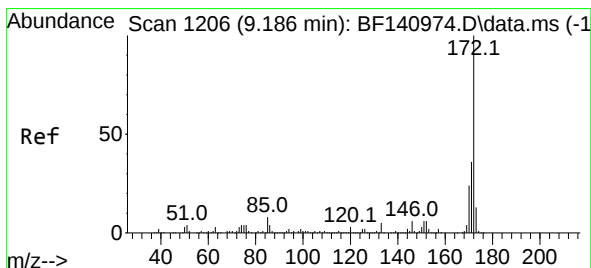
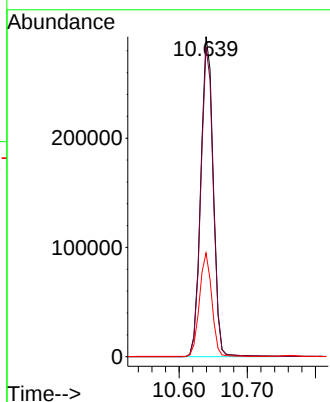
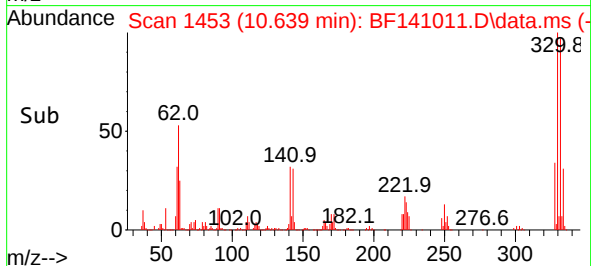
Instrument :
BNA_F
ClientSampleId :
VNJ281RE



Tgt Ion: 330 Resp: 372600
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 31.7 26.4 39.6

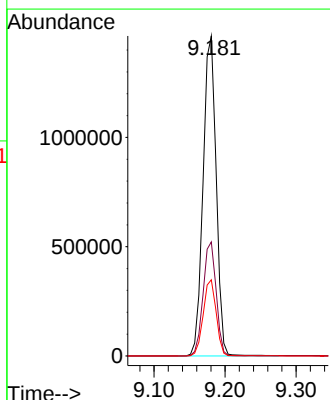
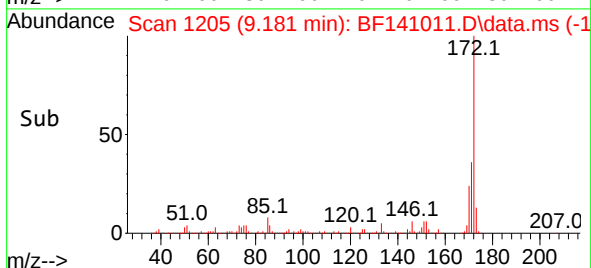
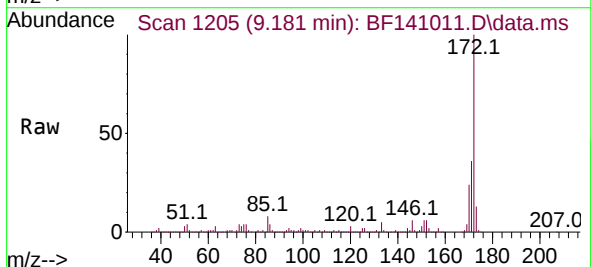
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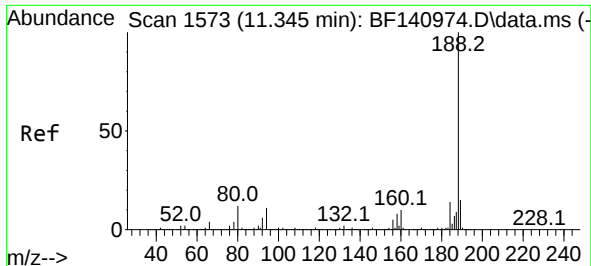
Reviewed By : Yogesh Patel 12/30/2024
Supervised By : mohammad ahmed 12/30/2024



#45
2-Fluorobiphenyl
Concen: 61.905 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

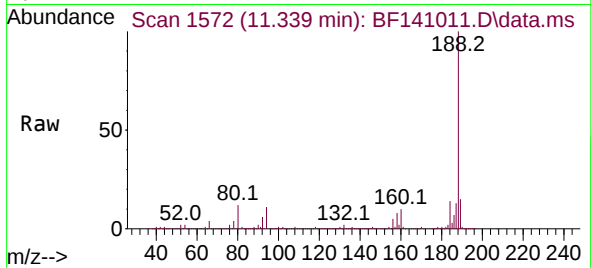
Tgt Ion: 172 Resp: 1887336
Ion Ratio Lower Upper
172 100
171 35.7 29.0 43.4
170 23.8 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

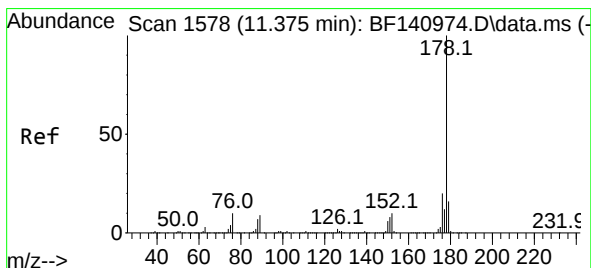
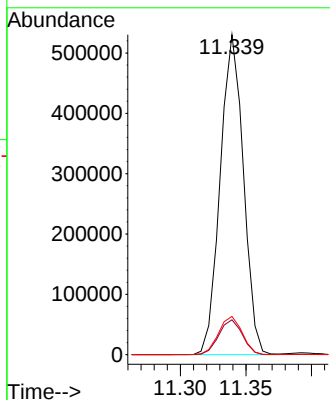
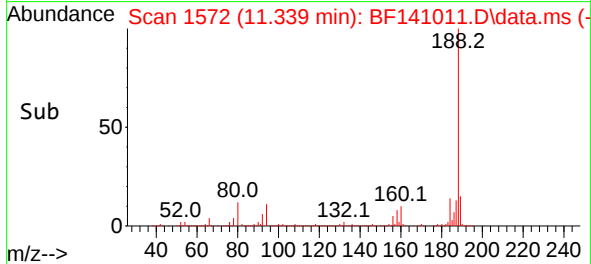
Instrument :
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ClientSampleId :
VNJ281RE



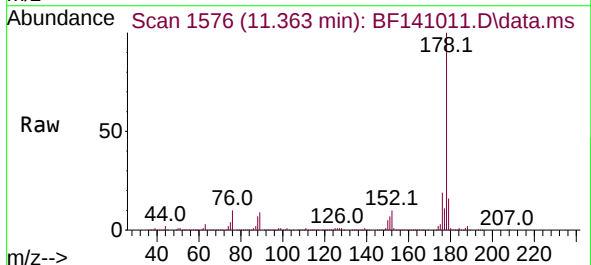
Tgt Ion:188 Resp: 652948
Ion Ratio Lower Upper
188 100
94 10.9 9.0 13.6
80 12.0 9.8 14.6

Manual Integrations
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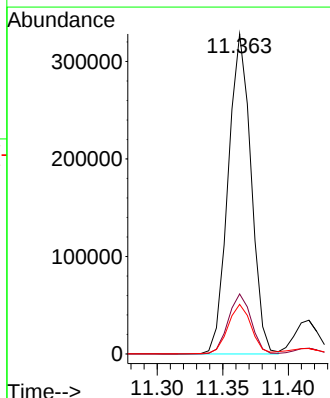
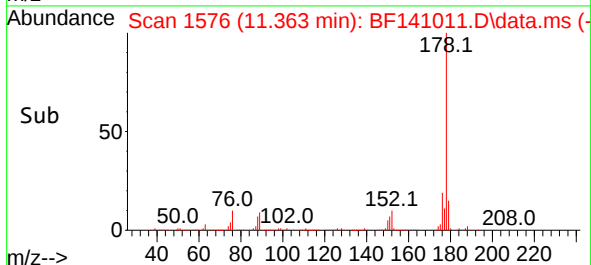
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

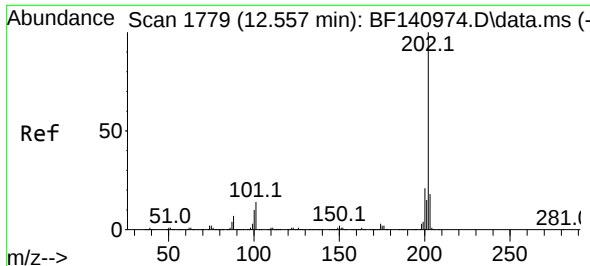


#71
Phenanthrene
Concen: 11.602 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43



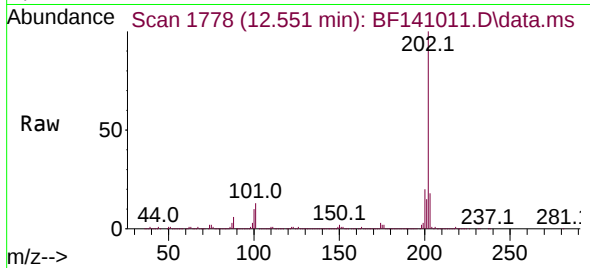
Tgt Ion:178 Resp: 398693
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 15.5 12.6 19.0





#75
Fluoranthene
Concen: 16.540 ng
RT: 12.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

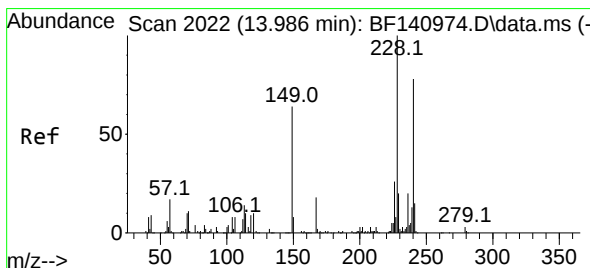
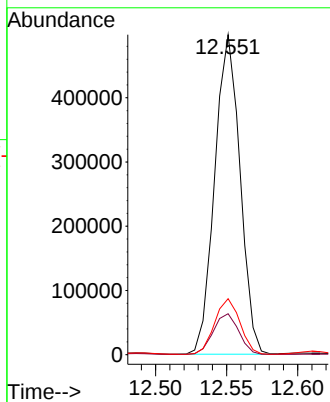
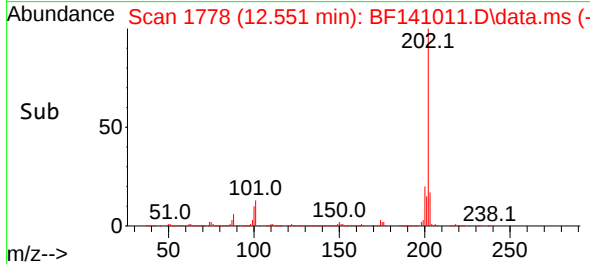
Instrument :
BNA_F
ClientSampleId :
VNJ281RE



Tgt Ion:202 Resp: 616474
Ion Ratio Lower Upper
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101 12.8 0.0 33.7
203 17.5 0.0 38.1

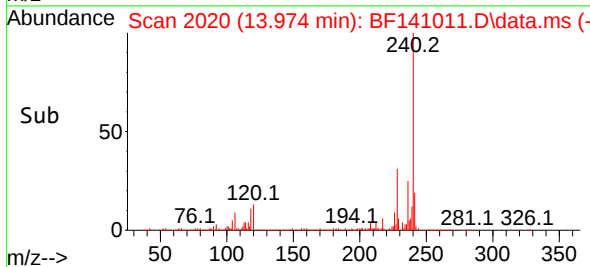
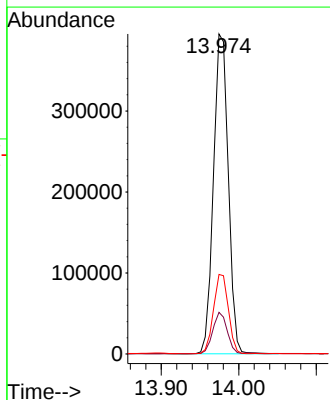
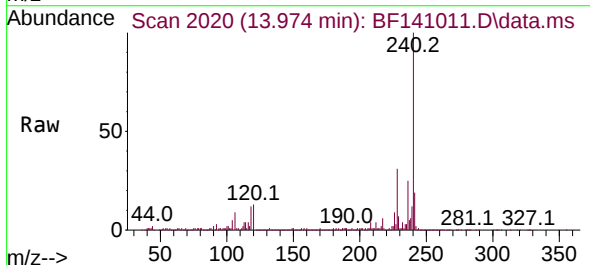
Manual Integrations
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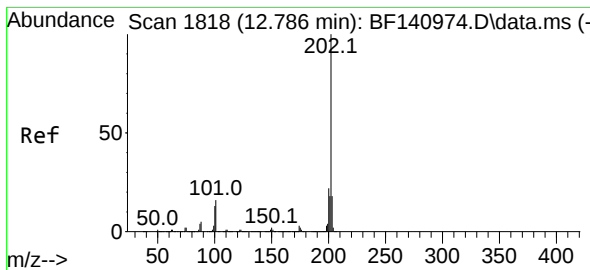
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion:240 Resp: 524529
Ion Ratio Lower Upper
240 100
120 13.0 10.7 16.1
236 24.9 20.6 31.0





#78

Pyrene

Concen: 12.291 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

Instrument :

BNA_F

ClientSampleId :

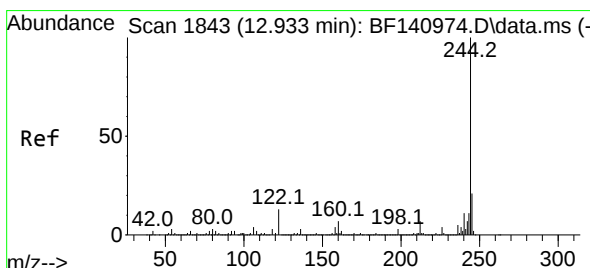
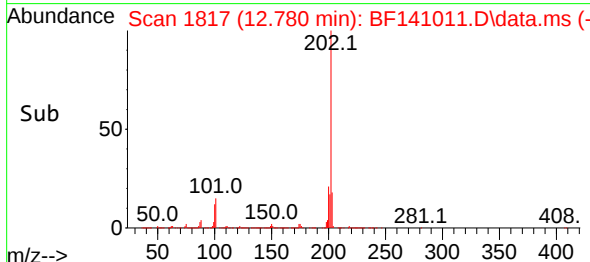
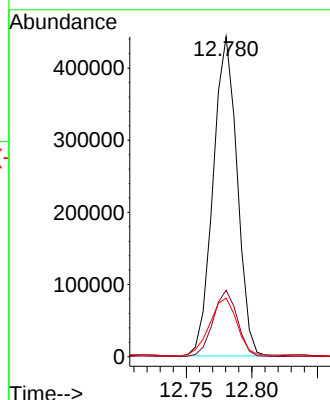
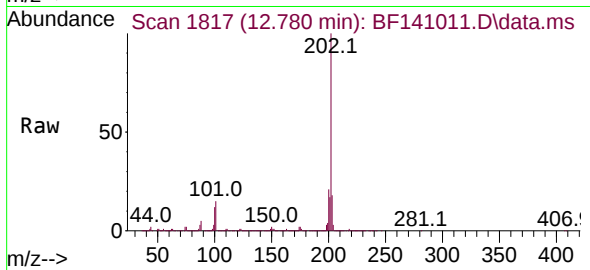
VNJ281RE

Tgt Ion:202 Resp: 563820
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.3 25.9
 203 18.3 14.6 21.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024



#79

Terphenyl-d14

Concen: 47.676 ng

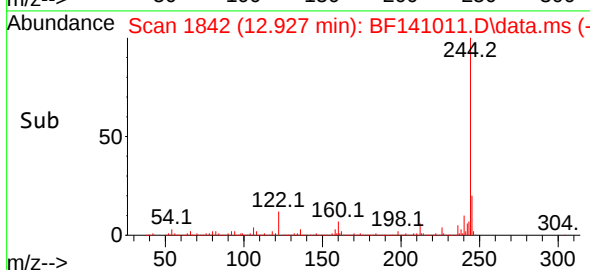
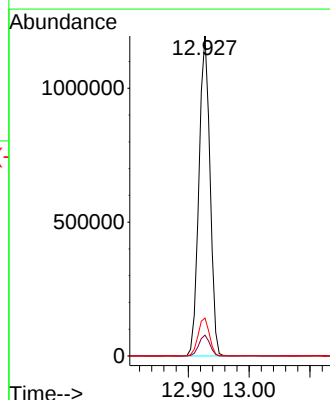
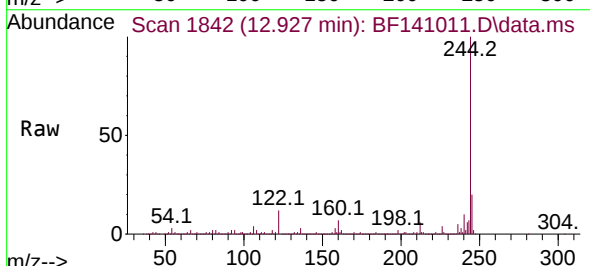
RT: 12.927 min Scan# 1842

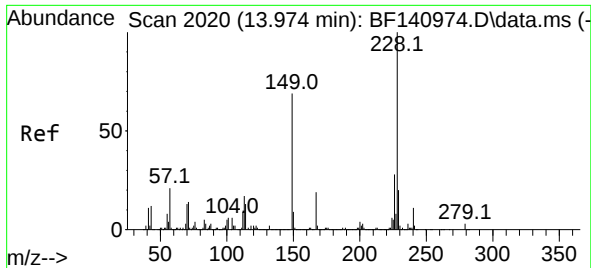
Delta R.T. -0.006 min

Lab File: BF141011.D

Acq: 27 Dec 2024 21:43

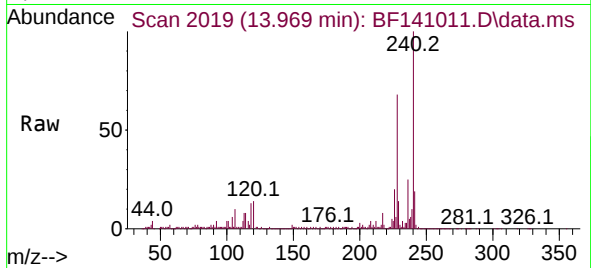
Tgt Ion:244 Resp: 1505580
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 11.9 10.2 15.2





#81
Benzo(a)anthracene
Concen: 6.525 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

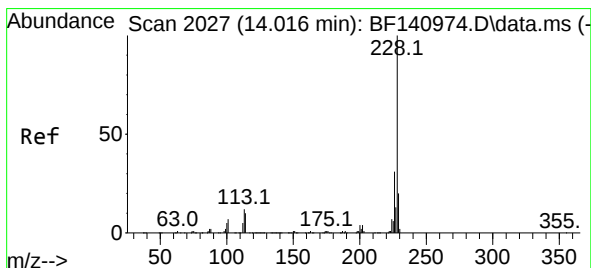
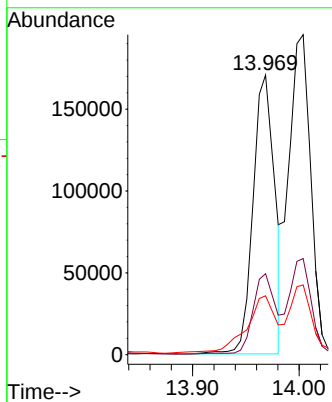
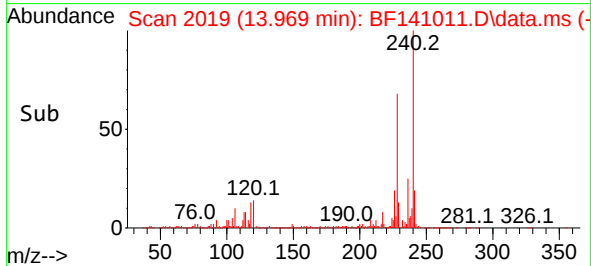
Instrument :
BNA_F
ClientSampleId :
VNJ281RE



Tgt Ion:228 Resp: 238530
Ion Ratio Lower Upper
228 100
226 29.0 22.1 33.1
229 21.1 16.2 24.2

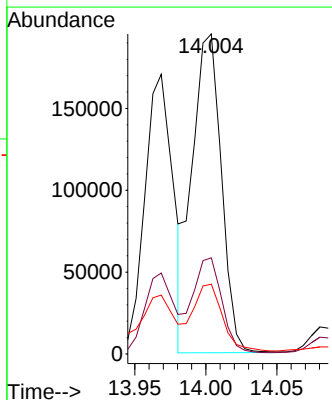
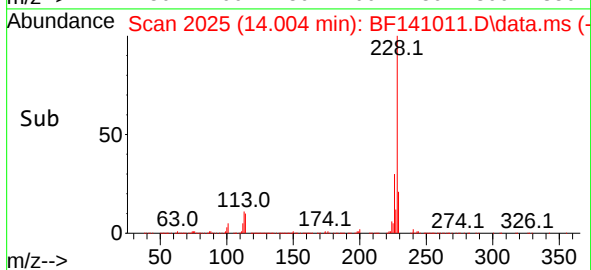
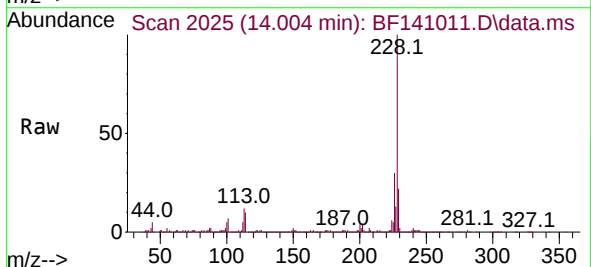
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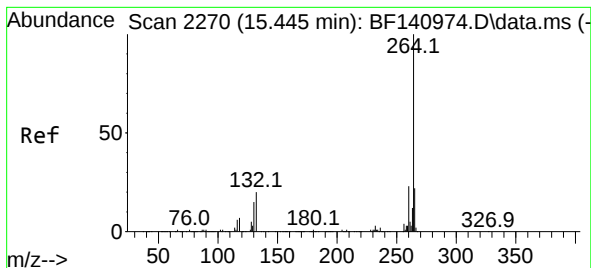
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#83
Chrysene
Concen: 8.449 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

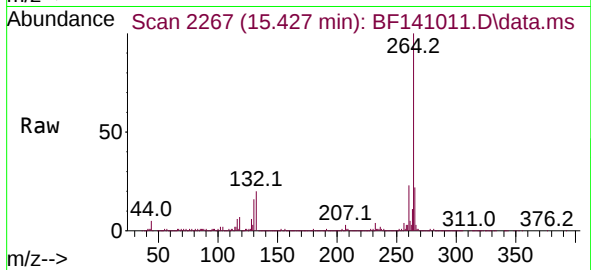
Tgt Ion:228 Resp: 278427
Ion Ratio Lower Upper
228 100
226 30.0 24.5 36.7
229 21.8 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

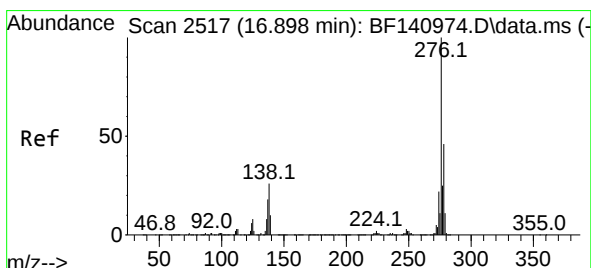
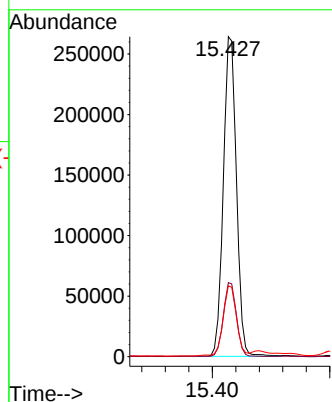
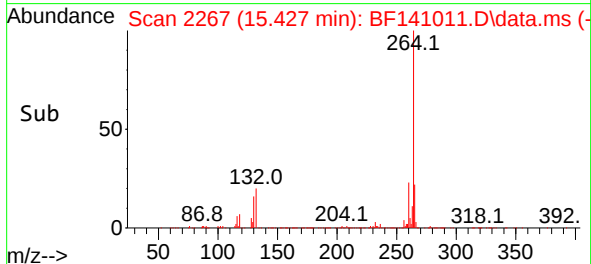
Instrument :
BNA_F
ClientSampleId :
VNJ281RE



Tgt Ion:264 Resp: 40887
Ion Ratio Lower Upper
264 100
260 23.2 18.7 28.1
265 22.1 17.4 26.2

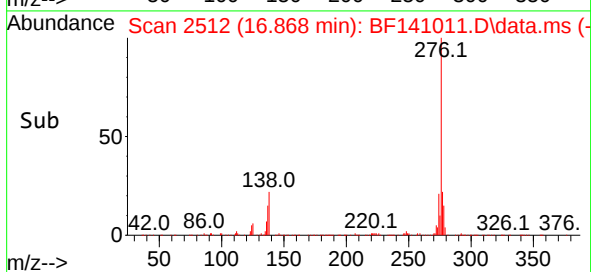
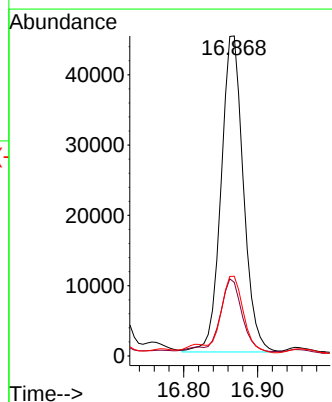
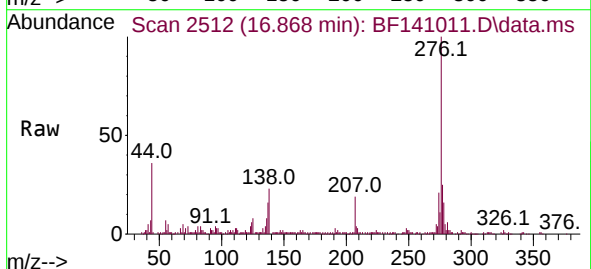
Manual Integrations
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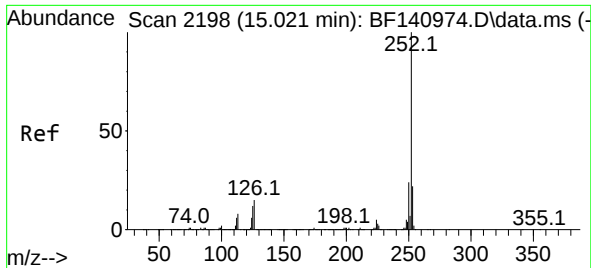
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.666 ng m
RT: 16.868 min Scan# 2512
Delta R.T. -0.029 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion:276 Resp: 94447
Ion Ratio Lower Upper
276 100
138 5.0 23.1 34.7#
277 5.1 20.4 30.6#





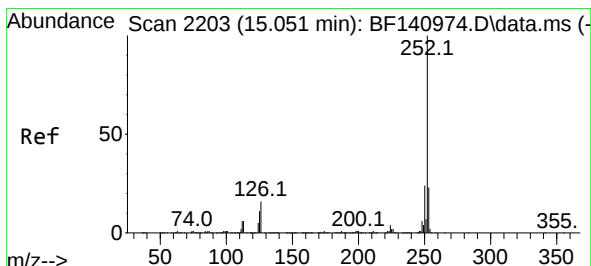
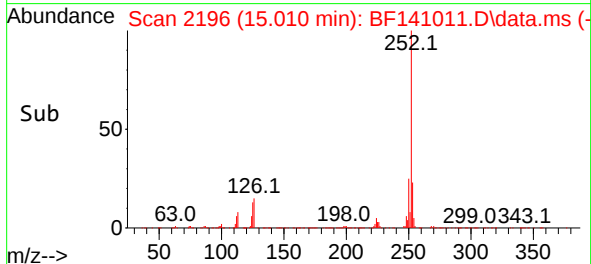
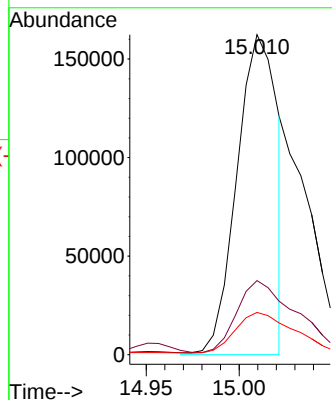
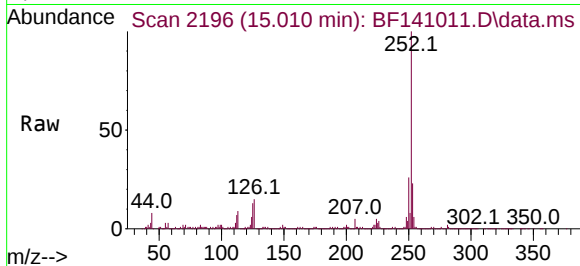
#88
Benzo(b)fluoranthene
Concen: 8.693 ng m
RT: 15.010 min Scan# 2198
Delta R.T. -0.012 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Instrument :
BNA_F
ClientSampleId :
VNJ281RE

Tgt Ion:252 Resp: 24790
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 13.2 9.3 13.9

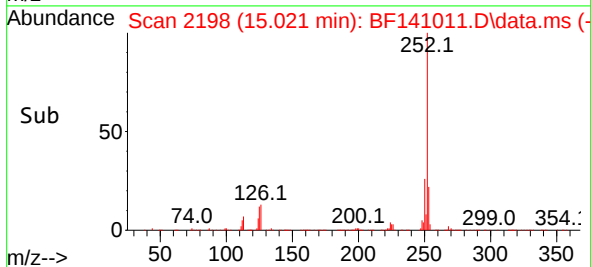
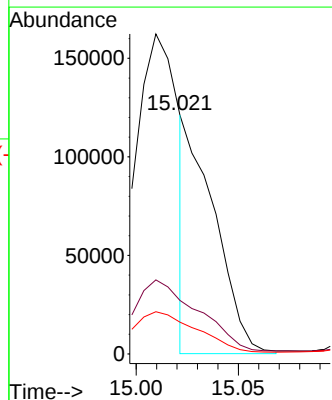
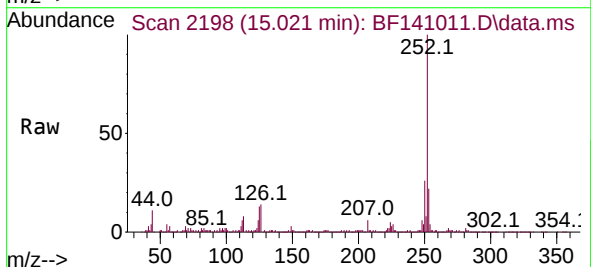
Manual Integrations
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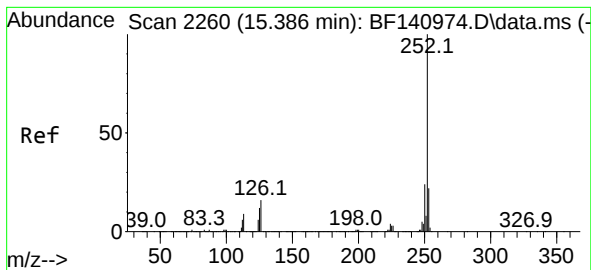
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#89
Benzo(k)fluoranthene
Concen: 5.200 ng m
RT: 15.021 min Scan# 2198
Delta R.T. -0.029 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

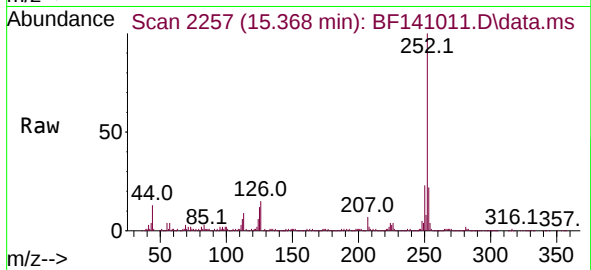
Tgt Ion:252 Resp: 116232
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 13.3 9.4 14.0





#90
Benzo(a)pyrene
Concen: 7.590 ng
RT: 15.368 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

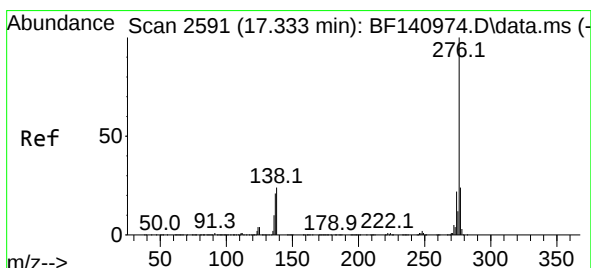
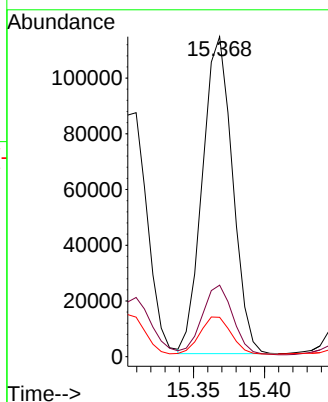
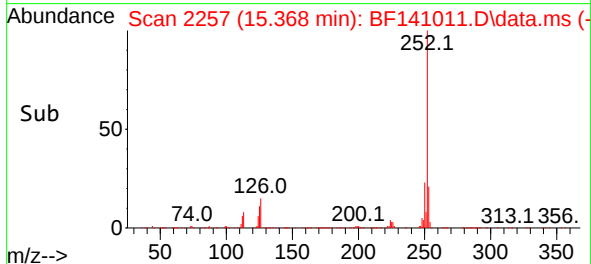
Instrument :
BNA_F
ClientSampleId :
VNJ281RE



Tgt Ion:252 Resp: 16799
Ion Ratio Lower Upper
252 100
253 22.4 17.2 25.8
125 12.3 9.8 14.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#92
Benzo(g,h,i)perylene
Concen: 4.205 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.035 min
Lab File: BF141011.D
Acq: 27 Dec 2024 21:43

Tgt Ion:276 Resp: 91069
Ion Ratio Lower Upper
276 100
277 24.6 19.0 28.4
138 25.1 19.4 29.2

